QC ABSTRACT

Nameof Work: Improvements to drains in Bagalagunte in Ward No.14, Dasarahalli Sub division, BBMP,Bangalore.

Sl. No.	Item	Quantity As Per BOQ	Required No's of testes as per Frequency	Actual No's of testes as per Frequency	Testes Results
1	Materials	–	1	1	Pass
2	Slab - 100mm	209.25Sqm	1	1	Pass

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(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MN/W.No.14/2022-23 Date: 04.11.2022

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.
AGENCY	:	**Sri Manjunath N ,**Contractor, Bangalore.
NAME OF THE WORK	:	Improvements to drains in Bagalagunte in Ward No.14, Dasarahalli Sub division, BBMP,Bangalore.
SAMPLE ID	:	Cement (Birla OPC 53 Grade)
DATE OF MANUFACTURE		August-2022
DATE OF TESTING		02.11.2022 to 04.11.2022
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	140 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	340 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	31.50 %	-

Note:

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⇒ The results indicated above are based on the tests carried out on the samples collected at the site.

⇒ Any Query regarding the report must be reported within 30days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

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Job No.: CACE/BBMP/MN/W.No.14/2022-23 Date : 04.11.2022

TEST REPORT ON FINE AGGREGATES (SAND)

Client : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Agency : Sri Manjunath N ,Contractor, Bangalore.

Name of Work : Improvements to drains in Bagalagunte in Ward No.14, Dasarahalli Sub division, BBMP,Bangalore.

Date of Testing : 04.11.2022

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : Sand Total Wt. of Aggregates in gms 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	79	7.90	7.90	92.1	90-100
2.36	145	14.50	22.40	77.6	75-100
1.18	192	19.20	41.60	58.4	55-90
600 Micron	159	15.90	57.50	42.5	35-59
300 Micron	229	22.90	80.40	19.6	8-30
150 Micron	152	15.20	95.60	4.4	0-10

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TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Agency : Sri Manjunath N ,Contractor, Bangalore.

Name of Work : Improvements to drains in Bagalagunte in Ward No.14, Dasarahalli Sub division, BBMP,Bangalore.

Date of Testing : 04.11.2022

Material : Sand - Masonry

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	21	2.10	2.10	97.9	90-100
1.18	40	4.00	6.10	93.9	70-100
600 Micron	92	9.20	15.30	84.7	40-100
300 Micron	249	24.90	40.20	59.8	5-70
150 Micron	499	49.90	90.10	9.9	0-15

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Job No.: CACE/BBMP/MN/W.No.14/2022-23 Date: 05.11.2022

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Client	:	: Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Contractor	:	: Sri Manjunath N ,Contractor, Bangalore.
Name of Work	:	: Improvements to drains in Bagalagunte in Ward No.14, Dasarahalli Sub division, BBMP,Bangalore.
No.of Sample Tested	:	03
Date of Testing	:	05.11.2022
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	82.00	0.384	2385.00	1.64	0.961	32.70	16.65	17.99	17.29	21.61
2	50.00	84.00	0.391	2370.65	1.68	0.965	33.40	17.01	18.37	17.74	22.17
3	50.00	86.00	0.399	2362.90	1.72	0.970	33.90	17.27	18.65	18.08	22.60

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